

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A climate chamber comprising:
a housing defining a climate compartment,
an analysis device arranged at least partially in the climate compartment for analyzing ~~[[the]]~~ a sample, and
an inlet opening provided in the housing for supplying a conditioning medium flow,
wherein the medium flow flows at least partially against ~~the analysis device~~
~~and/or~~ a sample carrier arranged in the climate compartment.
2. (Previously presented) The climate chamber according to claim 1, further comprising a directing device for directing the medium flow.
3. (Previously presented) The climate chamber according to claim 1, wherein said medium flow is directed such that the medium flow flows against a lower side of the sample carrier.
4. (Previously presented) The climate chamber according to claim 1, wherein said inlet opening is arranged laterally offset below the sample carrier when the sample carrier is horizontally arranged.
5. (Previously presented) The climate chamber according to claim 1, further comprising an approach flow angle (α) of 30°-60° relative to the sample carrier.
6. (Previously presented) The climate chamber according to claim 1, wherein said medium flow is directed such that at least 50 %-70 % of the medium flow flows against the analysis device and/or the sample carrier.

7. (Previously presented) The climate chamber according to claim 1, further comprising condensate-sensitive components of the analysis device being located in the medium flow.

8. (Previously presented) The climate chamber according to claim 1, further comprising a temperature sensor arranged near the sample carrier.

9. (Previously presented) The climate chamber according to claim 1, further comprising an outlet opening provided in the housing, wherein said outlet opening being arranged substantially opposite the inlet opening.

10. (Previously presented) The climate chamber according to claim 1, wherein the housing is configured such that it promotes an optimum flow.

11. (Previously presented) The climate chamber according to claim 1, further comprising adjacent housing walls arranged at an angle of at least 90° relative to each other.

12. (Withdrawn) The climate chamber according to claim 1 having a climate control system comprising a climate chamber, said climate chamber comprising a housing defining a climate compartment, an analysis device arranged at least partially in the climate compartment for analyzing the sample, and an inlet opening provided in the housing for supplying a conditioning medium flow, wherein the medium flow flows at least partially against the analysis device and/or a sample carrier arranged in the climate compartment,

wherein the inlet opening has connected therewith a climate control device; a channel through which flows a gaseous medium which is to be conditioned; a steam chamber having an inlet opening and an outlet opening connected with said channel; a steam generator connected with said steam chamber; and a controller arranged at the inlet opening and/or the outlet opening for controlling the quantity of steam fed from the steam chamber to the channel.

13. (Withdrawn) The climate control system according to claim 12, wherein said controller is adapted to control the opening cross section of the inlet opening and/or the outlet opening.

14. (Withdrawn) The climate control system according to claim 12, wherein the inlet opening is connected with the channel such that a portion of the medium to be conditioned flows into the steam chamber.

15. (Withdrawn) The climate control system according to claim 12, wherein the steam generator comprises a heater for heating the medium to be evaporated.

16. (Withdrawn) The climate control system according to claim 12, further comprising a flow-producer for producing the medium flow in the channel.

17. (Withdrawn) The climate control system according to claim 12, further comprising a filter connected with the channel

18. (Withdrawn) The climate control system according to claim 12, further comprising a conditioner connected with the channel.